

UDOT Technical Academy

Acronym and jargon list

UDOT Construction and Maintenance Materials, Level 1

404	A permit required by the US Army Corps of Engineers before any work in a live stream or wetland can occur
A-	Timber bridge number
A+B –	Bidding method where contractor offers base price plus special pricing
A+B+C	Bidding method where contractor offers base price plus special pricing on two options
AADT	Average annual daily traffic
AASHO –	American Association of State Highway Officials. Precursor to AASHTO
AASHTO	American Association of State Highway and Transportation Officials
AASHTO T 40 –	Materials test method sponsored by AASHTO. T 40 refers to Test method 40. This is the “Standard practice for sampling bituminous materials”
AC	Asphaltic cement
ACI	American Concrete Institute.
ACC	Asphaltic Cement Concrete
ACPA	American Concrete Pavement Association
ADA	Americans with Disabilities Act
ADOT	Arizona Department of Transportation
ADT	Average daily traffic
AI	Asphalt Institute
Air	Microscopic bubbles of air entrained in concrete
Air Meter	A device to measure the volume of entrained air in a concrete sample
AISC	American Institute of Steel Construction
ASCE	American Society of Civil Engineers
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing and Materials
ASTM D 5821	Material specification sponsored by ASTM. D 521 is the standard number. This particular test is “Standard method for determining the percentage of fractured particles in coarse aggregate”
ATMS	Advanced Traffic Management System
AWS	American Welding Society
BC	back of curb elevation
Bid	A legally binding proposal from a contractor to perform specified work
BLM	US Bureau of Land Management
BIA	US Bureau of Indian Affairs
Blue Book	A UDOT construction or reconstruction project
BM	Surveying term for benchmark
BOR	US Bureau of Reclamation

C-xx	Steel bridge number
C/L	centerline
CL	centerline
CalTrans	California Department of Transportation
CAP	Concrete arch pipe
CAPH	A windows-based program to easily access accident data
CARS	UDOT accident records system
CMS-2S	Cationic Medium Setting Emulsified Asphalt
CRS-2A	Cationic Rapid Setting Emulsified Asphalt
CRS-2B	Cationic Rapid Setting Emulsified Asphalt
CRS-2P	Cationic Rapid Setting Emulsified Polymerized Asphalt
CB	catch basin
CBR	California Bearing Ratio – a design concept for pavement design
CD	Concept Development – beginning phase of a highway improvement project
CDL	Commercial Drivers License
CDOT	Colorado Department of Transportation
CE III	Civil Engineer III
Central Lab	UDOT Central Materials Laboratory located in Salt Lake City
Change Order	Written instruction from the Resident Engineer to a contractor to perform work differently than called out in the plans and specifications. Usually involves a negotiated adjustment in the contract price or time.
Chips	Durable aggregate applied a wearing or friction course to pavement; 3/8” minus clean aggregate
CIP	Cast-in-place
Civil Rights	UDOT euphemism referring to contracts and contractors utilizing Section 8A of the Small Business Act. Often involves minority- or woman-owned small businesses
CMAP	Corrugated metal arch pipe
CMP	Corrugated metal pipe
CNG	Compressed Natural Gas
CO	Change Order
COE	US Army Corps of Engineers
Cold Mix	Asphalt and aggregates mixed without heat
Commission	Utah State Road Commission
Complex	UDOT Headquarters, The Calvin Rampton Complex in Salt Lake
Corps	US Army Corps of Engineers
Cost plus	Construction contracting method where contractor is paid for all costs plus a fixed profit percentage or fee.
CRSI	Concrete Reinforcing Steel Institute
CSI	Construction Specifications Institute
CSL	Customer Service Log
CSP	Concrete sewer pipe
CSS	Context Sensitive Solutions
D 5821	Material specification sponsored by ASTM.
D-xx	Cast-in-place concrete bridge number
DEQ	Utah Department of Environmental Quality
DFCM	Utah Division of Facilities and Construction Management
DHRM	Utah Department of Human Resource Management

DI drop inlet
DPS Utah Department of Public Safety
DMV Utah Division of Motor Vehicles
dROADS Original version of dTIMS; computer-based pavement management system
DSL Digital subscriber line. Fairly high-speed computer connection
dTIMS Deighton Transportation Infrastructure Management System used to manage pavement preservation program
DWR Utah Division of Wildlife Resources

E-xx Concrete box culvert number
EA Environmental Assessment (possible result of NEPA process)
EAP UDOT Employee Assistance Program
EAP Emergency Action Plan
EB East bound
EBS Electronic bidding system
EEO Equal Employment Opportunity
EIS Environmental Impact Statement (possible result of NEPA process)
EM I UDOT Engineering Manager I
EM II UDOT Engineering Manager II
EPA US Environmental Protection Agency
EPM Electronic Project Management
ETS Event tracking system

F-xx Prestressed concrete bridge number
Feds Employees of the Federal Highway Administration
FG finished grade
FHWA Federal Highway Administration
FINET Utah State Government finance and accounting system
FL flow line of gutter or man-made channel
Flowable Fill – A very lean concrete used for backfill and bedding
FOIA Freedom of Information Act (federal)
FONSI Finding of No Significant Impact (possible result of NEPA process)
Force account Work performed by contractor or state forces at direction of the engineer characterized by resolving costs after the work is done
FRA US Federal Railroad Administration
FTA US Federal Transit Administration

GASB 34 Government Accounting Standards Board Recommendation 34. Standard that mandates life-cycle asset management
GDT Georgia Department of Transportation
Geotech UDOT Structures Division, Geotechnical Branch
GFE Government furnished equipment
GFP Government furnished property
GIS Geographic information system
GPS Global positioning system
GRAMA Utah Government Records and Management Act
Green Book AASHTO “Policy on Geometric Design of Highways”

HAZMAT	Hazardous Materials
HDPE	high-density polyethylene
HFRS-2P	High Float Rapid Setting Emulsified Polymerized Asphalt
HMA	hot mix asphalt
HOS	UDOT Highway operations specialist; obsolete position name
Hot Mix	Asphalt cement concrete
HOV	High Occupancy Vehicle
HR	UDOT Human Resources Division
I-xx	Interstate highway route number
IAT	Independent Agency Testing
IAT	Interagency Transfer (of funds)
IRVM	Integrated roadside vegetation management
ISS	Information Support Services – UDOT division that supports computers and computer programs
ITD	Idaho Transportation Department
ITS	Intelligent Transportation Systems
ITS	Utah state agency tasked with providing telecommunications services to state government
ITTE	Institute of Traffic and Transportation Engineers

Job Match The only way you can apply for a job at UDOT

LA	Landscape architect
Lane-mile	One 12-foot wide traffic lane 5280 feet long
LA Rattler	Horizontal rotating drum used to test aggregate durability
LA Wear	a test to evaluate aggregate durability
LMCRS-2	Latex Modified Cationic Rapid Setting Emulsified Asphalt
Lead	Maintenance worker who supervises work of a small crew – Second in authority at a maintenance station
LED	Light Emitting Diode
LL	liquid limit
LM	Lane-mile
LOM	Level of Maintenance
LOS	Level of Service (a traffic engineering term describing how freely traffic moves on a given road or through an intersection)
LS	Land surveyor
LTAP	Local Technical Assistance Program; run for UDOT by Utah State University
M3	Former training program for UDOT maintenance personnel
Mag	Magnesium chloride
MAG	Mountainland Association of Governments
MC-xx	Medium cure liquid asphalt
MFI	Maintenance Feature Inventory
MDOT	Montana Department of Transportation
MMQA	Maintenance Management Quality Assurance program
MMS	Maintenance Management System
MP	Milepost
MPO	Metropolitan planning organization

MSDS	Material Safety Data Sheet
MSE	Mechanically stabilized earth wall
MTF	Central Materials Lab, warehouse, and shops
Mulch	Fine graded cold-mix asphalt used to patch potholes
Mulch	Material placed on planted areas to reduce evaporation and weed growth
MUTCD	Manual on Uniform Traffic Control Devices published by FHWA
NA	No Action (possible result of NEPA process)
NB	northbound
NDOT	Nevada Department of Transportation
NEPA	National Environmental Policy Act
NHS	National Highway System
NICET	National Institute of Civil Engineering Technicians
NMDOT	New Mexico Department of Transportation
NPEP	UDOT new product evaluation panel
Nuc Gauge	Nuclear density gauge used in compaction testing
OAT	Owner Agency Testing
OCIP	Owner Controlled Insurance Program
ODOT	Oregon Department of Transportation
OGSC	Open graded seal coat
Org	UDOT Organizational unit code (4 digits)
OSHA	Occupational Safety and Health Act
Orange Book	State funded pavement preservation maintenance contract
P/L	Property line
PC	Point of curvature
PCA	Portland Cement Association
PCC	Portland cement concrete
PCCP	Portland cement concrete pavement
PDA	Personal data assistant, Palm Pilot, IPaq
PDBS	Project development business system
PE	Professional engineer
PEP	Polyethylene pipe
PEHP	Public Employees Health Plan
PEQIT	
PGAB	Performance Graded Asphalt Binder
PLS	Professional land surveyor
PI	Plasticity index
PIC	UDOT Regional Public Involvement Officer
Plant Mix	Asphalt cement concrete delivered to the job hot.
PM	Project management
PMS	Project management system
PMSC	Plant mix seal coat
POV	Privately owned vehicle
POE	Motor Carrier Division Port of Entry
PONTUS	Computer system used to track structure data and condition
Port	Motor Carrier Division Port of Entry
PPE	Personal protective equipment

Proctor	A test method to determine the maximum compacted density of soils and aggregates
PT	Surveyors term for point of tangency
Purple Book	State funded reconstruction project or new construction
PVC	Surveyors tem for point of vertical curve
PVC	polyvinyl chloride
QA	Quality Assurance
QC	Quality Control
QIC	Quality improvement council
QIT	Quality improvement team
R-xx	Retaining wall number
R/W	Right of Way
RAP	recycled asphalt pavement
RC-xx	rapid cure liquid asphalt
RCC	Roller compacted concrete
RCE	Resident construction engineer
RCP	reinforced concrete pipe
Rebar	Reinforcing steel bars used in concrete construction
RFI	Request for information
RFP	Request for proposals
RFQ	Request for quotations
RFQ	Request for Qualifications
Risk Management	UDOT term for safety and accident control
ROD	Record of Decision (possible result of NEPA process)
Rotational	UDOT engineer participating in Rotational Engineering Training program
Roundabout	A circular intersection design
ROW	Right of Way
RP	Reference Post (now replaced by mileposts)
RPM	Roadway pavement marker
RS	Rapid set liquid asphalt
RWIS	Roadside weather information system
SA	Surface Area; paved surface measurement unit 12-feet by 5280 feet.
SB	South bound
SC	Soil Cement
SC-xx	Slow cure liquid asphalt
Senior Leader	UDOT high-level management official
Shed	UDOT Maintenance Station
Six County	Planning group in central Utah
SMA	Stone matrix asphalt
Spaghetti Bowl	Intersection of I-15, I-80, and SR-201 in Salt Lake City
Specs	Document that contains explicit requirements for materials properties, installation methods, finishes, processes, or results; specifications.
Spill	Release of toxic, controlled, or harmful material from its proper container or place. Requires containment, clean up and notification of proper authorities for certain quantities
SPUI	Single Point Urban Interchange

SR-xx	State route
Sta	Station, referring to roadway design; usually expressed as 310+45.23, which is 31,045.23 feet from the beginning point of the measurement
Standards	Specific requirements for material properties, placement, design elements, methods, or products intended for consistent use statewide on UDOT projects and facilities
STATE ITS	Utah state agency that controls telecommunications and computer services
Station	UDOT Maintenance Station
STIP	Statewide transportation improvement plan
STP	Statewide transportation plan
Structure	A bridge or culvert wider than 20 feet when measured along the centerline
Surface Area	Paved area 12-feet by 5280 feet long.
SW3P	Stormwater Pollution Prevention Plan
T 304	AASHTO sponsored test method
T1	High-speed computer connection
T2 Center	Technology Transfer Center; part of LTAP operated by USU for UDOT
T3	former UDOT construction technician training program
T-91	Form used by maintenance supervisors to enter daily labor, equipment, materials and accomplishments
TBC	top back of curb elevation
TC	top of curb elevation
TCS	Traffic Control Supervisor
TEA21	Transportation Equity Act for the 21 st Century
Tech IV	UDOT senior civil engineering technician usually assigned as assistant to field or design engineers
TEP	Technical evaluation panel
TEP	Traffic Engineers Panel
TEP	Transportation education program
Third Party	A company or person not party to a contract; independent consultant
TOC	UDOT Traffic Operations Center
TP	Surveying term for turning point
Trans Tech	UDOT Transportation Technician
TRAX	UTA light rail system (Transportation Express)
UDOT	Utah Department of Transportation
UHP	Utah Highway Patrol
UOSHA	Utah Occupational Safety and Health Division
UPM	uniform patching mix – cold-mix asphalt used for filling potholes
UPRR	Union Pacific Railroad Company
US-x	Federally numbered highway
USC	United States Code
UTA	Utah Transit Authority
UTBC	untreated base course
V-xx	Miscellaneous unclassified bridge
VE	Value Engineering
VMS	variable message sign
WaDOT	Washington Department of Transportation

WASHTO Western Association of State Highway and Transportation Officials
WB West bound
WCF Worker's Compensation Fund
Workman's Comp An insurance program designed to cover medical expenses and protect earnings of employees injured on the job
Wetland A watercourse, lake, pond, spring or wet area protected by federal law
WRFC Wasatch Front Regional Council
WyDOT Wyoming Department of Transportation

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